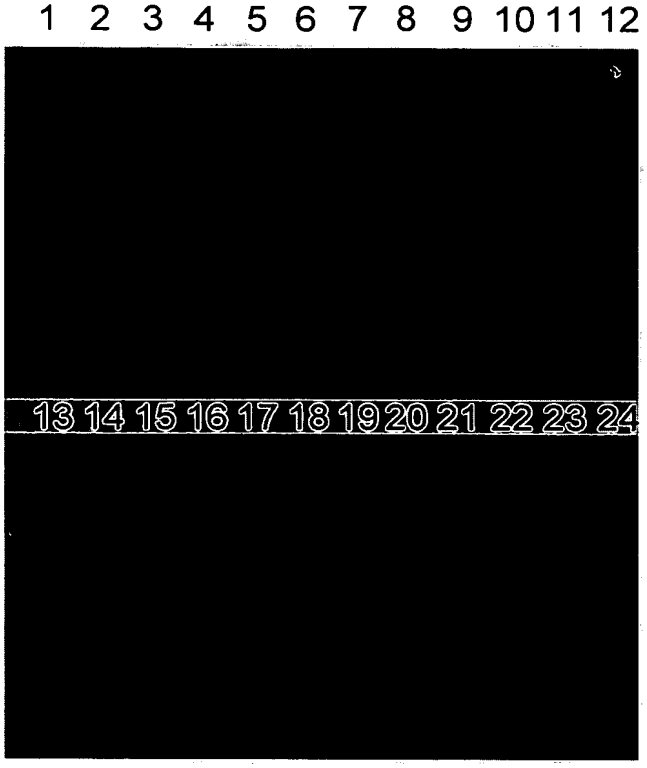

FIG.2A

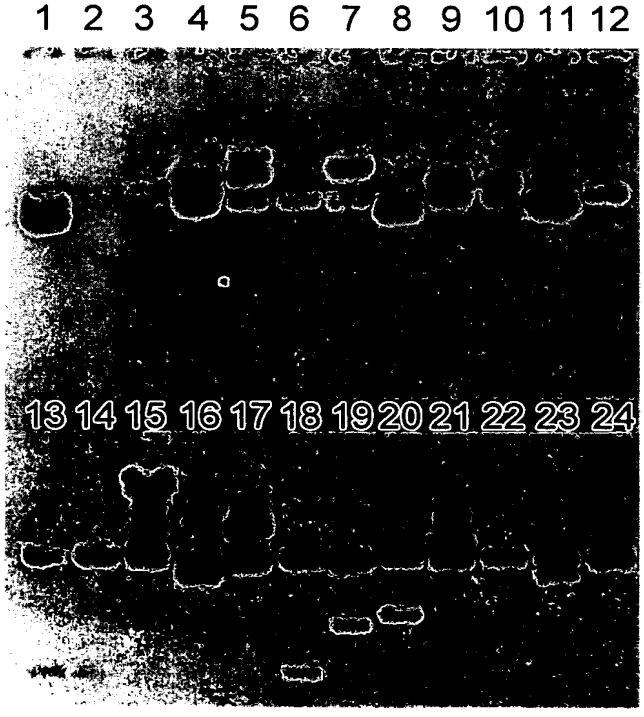

FIG.2B

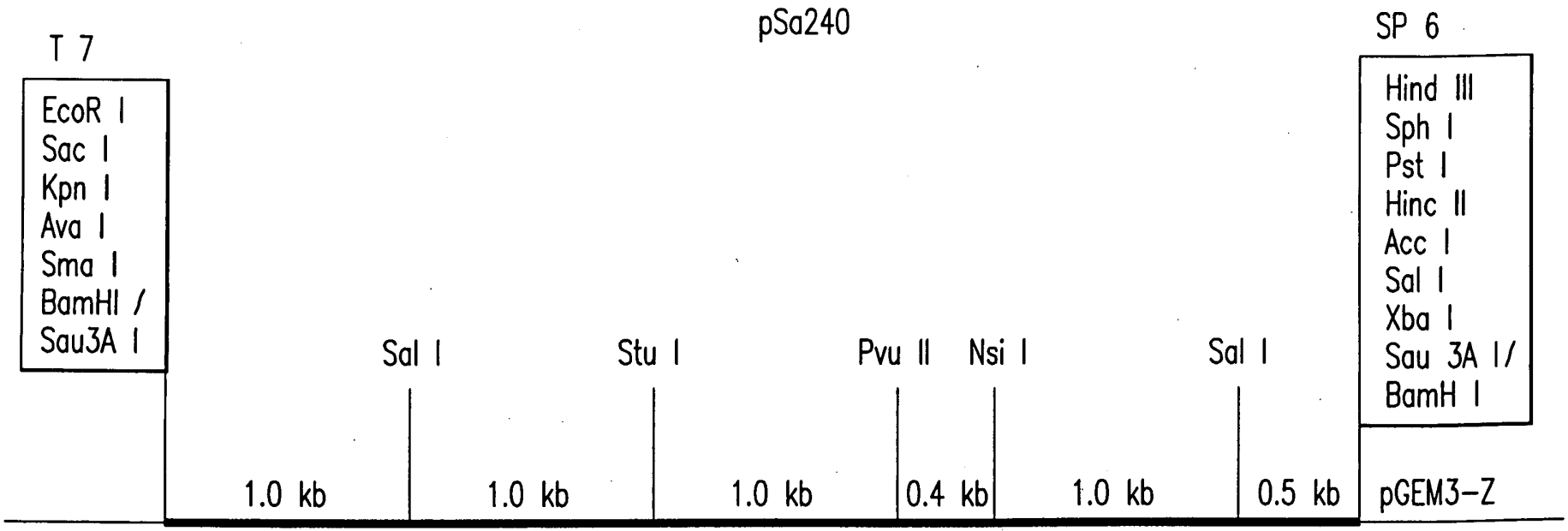

FIG.7

Application No.: 10/717,381
Group Art Unit: 1652
REPLACEMENT SHEET

Sa240 DNA sequence (4,826 bp)

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ggtgctgctg cgccgggggc tggcggccac cgcggaggcg ctggcggcgc tggccctggt    120
gctgacgctg ctggacgtgt acgcggtcca cgcggtggcc gcgccggaca ccgacggact    180
cggcttcacg gccctcgcgt cggcggtgct cgcggcgctg tggacggcgt acgggctggc    240
gctgggcaag ctgcgcctgc cgttgccggc cgccgtggtg ctggcccagt ggccgctgct    300
gttctgggcc tgggccgtgg gcgcaccggc gccggtggtc gggtgggcgc tgctggccac    360
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gcgtaaccgg aggtggccgt cggtcgtccg gctccggcgc cgttggccgg tccttctggc   1020
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cgctcgcgct ggccggggag acggctctgg tgggcgtcct gctcgccctg gcggtccggg   1320
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gtgcggtgtt cgcggtcgcc gcggtggtct ggggcaccgt gatcacgggg ttggcgggcc   1560
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tccaggcgct gctgctgctc ggcgggacgg tgctggcact ggtcggcctg cacgagctgg   2160
cgccgtacgt ggtgcaggtc gcgggtgcgc tcccccgctg gctcccgccc gccctggccg   2220
ggctgttgtt gctggtggtc ggagcgacgt acgagcagcg gctgcgggac gcccgccgtc   2280
tgaaggacgc gctggggcgg atgcggtgag ccgtgcccgg tccgggggcg cgcaggtcac   2340
ggcgtccccg ggccgggcgc cagtggcgtg ggcaacgcag agggcccggc cctctgtccg   2400
```

FIG.8A

```
ggtgggcgat actgggttcg aaccagtgac ctcttcggtg tgaacgaagc gctctcccac   2460
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tccccgggct actcgctgat cttccacggc atggtgagcc cgaacttcca gacgtagatc   2580
ccggccagca ccgccatgat cacgagcccg agcgtggtga ggatgatgtt gcgccgccgg   2640
accttgggat cgagggcccg ctgcgccgct tcggtgacct tgcgcttggt ccagcgcagc   2700
accagctggg cccagacgaa ctcggtcgcc cagatcgcca tgccgccgaa gatcaccagc   2760
cagccggggc ccggcagcac cagcatgagc acacccgcga tcaccacgcc gagaccgacg   2820
atgaagacac cgacctgcca gctcaggtgg agcgccttgg acgccttgat gaaacccggc   2880
gcccgcgagc ccagcgcgcg ttcctcccgg tccgattccc ccgtggcgga taccggggac   2940
gcctgctcgg cgaccttgct ccgctcgtca ctctccgcgt tcatgaagct caacttaccc   3000
gacctgtctc cgtcactgga atgggcgcat aactcaaagt tacacgccgc tgagcggggg   3060
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accggagcgg aggagacggt cgaatgggta ttcgcccgcg acctccttgc cgaggggctg   3360
caccggccca ccggcaccgg agacgtccgc gtctggccat ctcgtagtca cggtcaaggc   3420
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gccctggagt cgttcctgaa gaggaccgac gccgcggttc cgcccggcac cgagcatcgt   3540
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caccggcgcc gtcgtcgcgg aatccaccgc gacgacggcg ccggcgcgtt ccccgccgcg   3720
ccgccggagg ggtccgttcc gctctccgcc gggcccgcac cgggcccggc accggccggc   3780
cgagccagta gagtcagccg ccatcggcag gcgcccgccc gccggaaggc cagggagcga   3840
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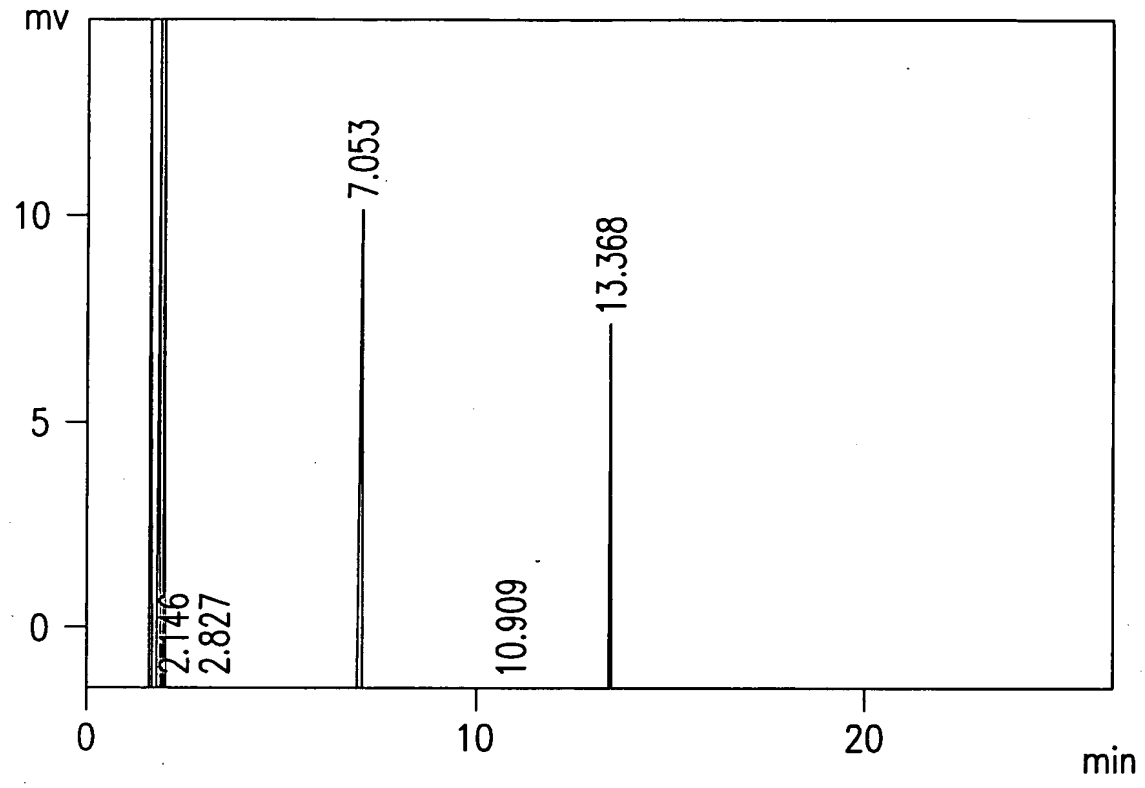
FIG.8B



*** Peak Report ***

KNO	TIME	AREA	HEIGHT	MK	IDNO	CONC	NAME
1	1.742	1090524	630697	V		16.3090	
2	1.803	2759591	1055567	VE		41.2702	
3	1.931	841734	440026	V		12.5883	
4	1.989	1899444	1050304	SVE		28.4066	
5	2.146	1222	1166	T		0.0183	
6	2.827	1691	1181	V		0.0253	
7	7.053	56479	14295			0.8447	
8	10.909	1014	280			0.0152	
9	13.388	34942	11651			0.5226	
		6686640	3205166			100.0000	

FIG.10

16 May 2000

Acquisition Time (sec)	20480	Commers	PTCCDCL3	Date	16/05/90 13:31:28
Frequency (MHz)	200.13	Nucleus 1H	Number of Transfers 512	Original Points Count 8192	Points Count 8192
Sweep Width (Hz)	4000.00		Temperature (grad C) 24.000		

No.	(ppm)	Height
1	0.01	0.381
2	1.30	0.972
3	2.57	0.260
4	5.28	0.170
5	7.28	0.108

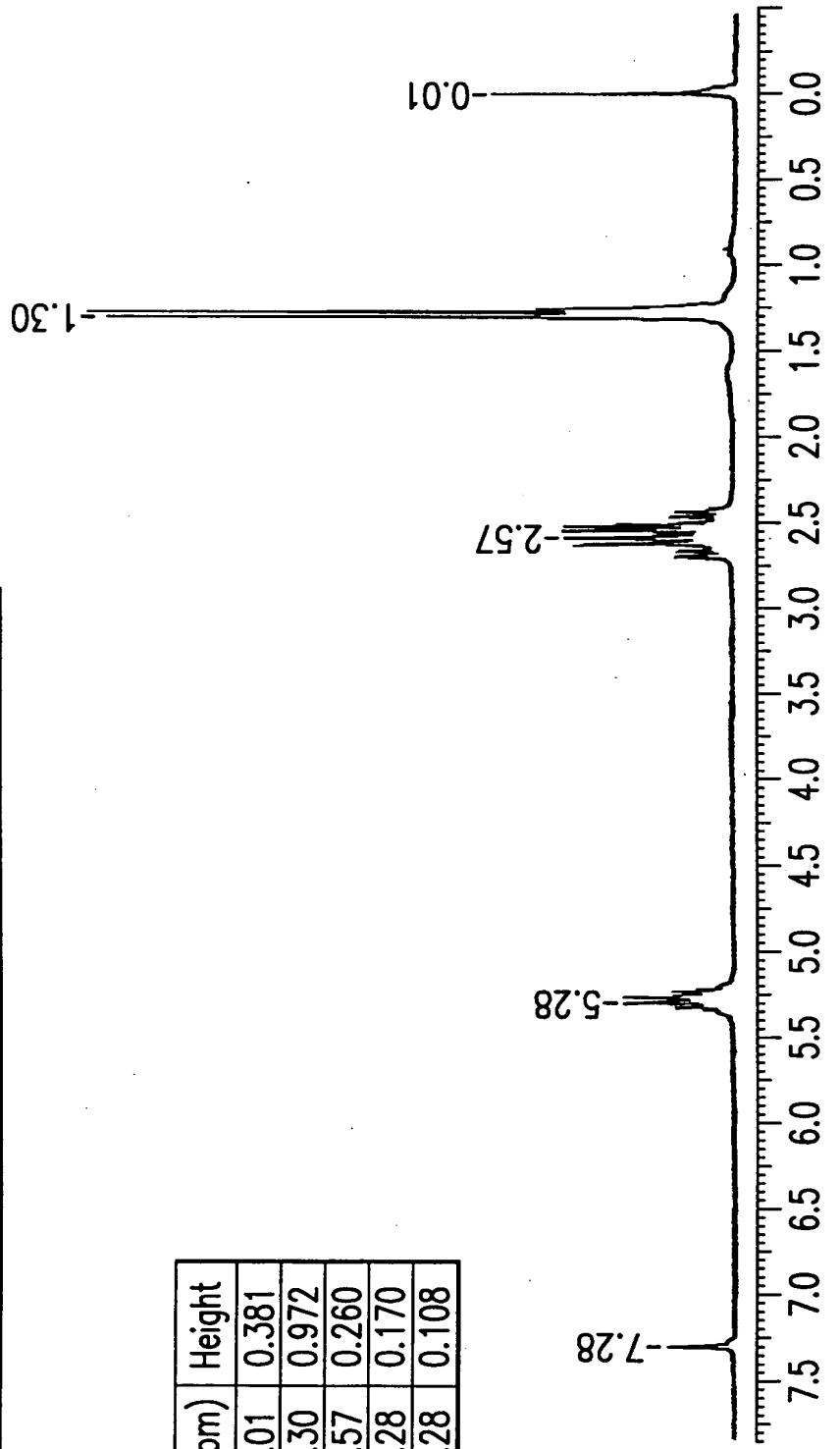


FIG.11